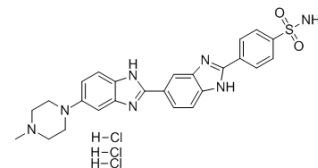


## Hoechst S 769121

Cat. No.:	HY-15619
CAS No.:	74681-68-8
Molecular Formula:	C <sub>25</sub> H <sub>28</sub> Cl <sub>3</sub> N <sub>7</sub> O <sub>2</sub> S
Molecular Weight:	596.96
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : ≥ 6 mg/mL (10.05 mM)  
\* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
	1 mM		1.6752 mL	8.3758 mL	16.7515 mL
	5 mM		0.3350 mL	1.6752 mL	3.3503 mL
	10 mM		0.1675 mL	0.8376 mL	1.6752 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Hoechst S 769121 (Nuclear yellow) exhibits excitation/emission maxima ~335/495 nm when bound to DNA.

### REFERENCES

- [1]. Latt SA, Stetten G, Juergens LA, Recent developments in the detection of deoxyribonucleic acid synthesis by 33258 Hoechst fluorescence. The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society 23 (7): 493-505.
- [2]. a b c "Hoechst Stains". Invitrogen (Molecular Probes).
- [3]. Portugal J, Waring MJ. Assignment of DNA binding sites for 4',6-diamidine-2-phenylindole and bisbenzimidazole (Hoechst 33258). A comparative footprinting study. Biochimica et Biophysica Acta 949

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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA